

PNP322-IR-25X 2 MP 25× Network Speed Dome

AcuSense















PerfectView PNP322-IR-25X 2 MP 25× NetworkSpeed Dome adopts a 1/1.8" progressive scan CMOS chipand a 1/2.8" progressive scan CMOS chip. With the 25×optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

Empowered by deep learning algorithms, AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- Single channel mode provides a wide-angle view to cover large areas. Dual channel mode provides both overview and detailed view with panoramic and PTZ channels
- Focuses on human and vehicle targets classification based on deep learning in single channel mode
- Supports face capture in single channel mode. Up to 5 faces captured at the same time
- Active strobe light and audio alarm to warn intruders off
- High quality imaging with 2 MP resolution
- 24/7 colorful imaging for the fixed-focal lens and excellent low-light performance with powered-by-DarkFighter technology for the varifocal lens
- 25× optical zoom provides close up views over expansive areas
- Expansive night view with up to 200 m IR distance

- DORI

The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view.

It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.

DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	1600.0 m (5249.3 ft)	634.9 m (2083.0 ft)	320.0 m (1049.9 ft)	160.0 m (524.9 ft)

Specification

- Specification Camera Module		
Camera Module	[fixed-focal] 1/1.8" progressive scan CMOS;	
Image Sensor	[varifocal] 1/2.8" progressive scan CMOS	
	[fixed-focal] Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with light;	
NAire Illumaineation	[varifocal] Color: 0.0005 Lux @ (F1.0, AGC ON); 0 Lux with light;	
Min. Illumination	with IR	
Shutter Speed	1/1 s to 1/30000 s	
Slow Shutter		
	yes	
Focus	semi-auto, manual, auto	
Day & Night	[fixed-focal] 24/7 colorful imaging; [varifocal] ICR	
Day/Night Switch	day, night, auto, scheduled-switch	
BLC	yes	
WDR	digital WDR	
HLC	yes	
3D DNR	yes	
Defog	yes	
EIS	yes	
Regional Exposure	yes	
Regional Focus	yes	
Image Settings	saturation, brightness, contrast, sharpness	
Image Parameters Switch	yes	
White Balance	auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, Locked WB	
Digital Zoom	16×	
Optical Zoom	25×	
Privacy Mask	up to 24 masks, polygon region, mosaic mask, mask color configurable	
SNR	>52dB	
General Function	mirror, password protection, watermark, IP address filter	
Lens		
	[fixed-focal] 4 mm;	
Focal Length	[varifocal] 4.8 mm to 120 mm, 25× Optical	
Zoom Speed	approx. 4.4 s	

	[6:]		
	[fixed-focal]		
	horizontal field of view: 88.7°,		
	vertical field of view: 46.5°,		
FOV	diagonal field of view: 105.0°;		
	[varifocal]		
	Horizontal field of view: 57.6° to 2.5° (wide-tele),		
	Vertical field of view: 34.4° to 1.4° (wide-tele),		
	Diagonal field of view: 64.5° to 2.9° (wide-tele)		
Aperture	[fixed-focal] F1.0;		
	[varifocal] F1.6		
PTZ			
Movement Range (Pan)	360°		
Movement Range (Tilt)	-15° to 90° (auto flip)		
Pan Speed	pan speed: configurable from 0.1° to 160°/s; preset speed: 240°/s		
Tilt Speed	tilt speed: configurable from 0.1° to 120°/s, preset speed 200°/s		
Proportional Zoom	yes		
Presets	300		
Patrol Scan	8 patrols, up to 32 presets for each patrol		
Pattern Scan	4 pattern scans		
Power-off Memory	yes		
Park Action	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan,		
Park Action	panorama scan		
3D Positioning	yes		
PTZ Status Display	yes		
Preset Freezing	yes		
Scheduled Task	preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan,		
Seriedaled rusk	panorama scan, dome reboot, dome adjust, aux output		
Video			
Max. Resolution	1920 × 1080		
Stream Type	main stream, sub-stream		
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720);		
Iviaiii Sti Eaiii	60 Hz: 20 fps (1920 × 1080, 1280 × 960, 1280 × 720)		
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288);		
Sub-Stream	60 Hz: 20 fps (704 × 480, 640 × 480, 352 × 240)		
Video Compression	H.265, H.264, MJPEG		
Video Bit Rate	32 kbps to 16384 kbps		
H.264 Type	baseline profile, main profile, high profile		
H.265 Type	main profile		
H.264+	yes		
H.265+	yes		
SVC	yes		
POL	Fixed region, main stream, sub-stream and third stream respectively support eight		
ROI	fixed areas		
Audio			
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, AAC, PCM		

Audio Sampling Rate Environment Noise Filtering yes Face Capture Pace Capture ANR, Dual-VCA Alarm Linkage Pace pace pace pace pace detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Pace pace pace pace pace pace pace pace p	Audio Bit rate	G.722.1: 16Kbps,G.711ulaw: 64Kbps, G.711alaw: 64Kbps, MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps; AAC: 16 kbps, 32 kbps, 64 kbps		
Smart Features yes Face Capture yes Basic Event audio exception, motion detection, alarm input, alarm output, video tampering alarm, exception Smart Event intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Smart Record ANR, Dual-VCA Alarm Linkage preset, patrol scan, pattern scan, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP, audible warning, white light flashing Warning and Alert audible warning, white light warning Perimeter Protection Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) Network Storage NAS (NFS, SMB/ CIFS), ANR Protocols IPV4/IPV6, HTTP, HTTPS,802.1x,Qos,FTP,SMTP,UPNP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTCP/RTCP/RTCP/RTCP/RTCP/RTCP/RTCP/RTCP/	Audio Sampling Rate			
Face Capture yes audio exception, motion detection, alarm input, alarm output, video tampering alarm, exception intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection edetection, unattended baggage detection, object removal detection and training detection, unattended baggage detection, object removal detection and training detection, unattended baggage detection, object removal detection and training detection, unattended baggage detection, object removal detection and training detection, unattended baggage detection, object removal detection and training detection, unattended baggage detection, object removal detection and training detection, unattended baggage detection, object removal detection and training detection, object removal detection, exception exiting support alarm triggering by specified traget rypes (human and vehicle) and in the cooking intrusion, region entrance, region exiting support alarm triggering by specified target types (human and vehicle) support alarm triggering by specified target types (human and vehicle) support alarm triggering by specified target types (human and vehicle) support alarm triggering by specified target types (human and vehicle) support and traper types (human and vehicle) support protocols p	Environment Noise Filtering	yes		
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### Alarm Linkage ### Email, notify surveillance center, upload to FTP, audible warning, white light flashing audible warning and Alert ### Audible warning, white light warning ### Line crossing, intrusion, region entrance, region exiting support alarm triggering by specified target types (human and vehicle) ### Network Network Storage ### NAS (NFS, SMB/ CIFS), ANR ### Protocols ### IPV4/IPV6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, TP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPOE, Bonjour ### API ### ISAPI, ISUP, Open Network Video Interface ### Simultaneous Live View ### Up to 20 channels ### User/Host ### 32 ### Security Measures ### Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter ### Client ### Guarding Vision ### Web Browser ### IEI0-11, Chrome 57+, Firefox 52+, Safari 12+ ### Interface ### Communication Interface ### RUST, Self-adaptive 10M/100M Ethernet port ### On-board Storage ### Support microSD/microSDHC/microSDXC cards, up to 256 GB ### Alarm Output ### 1 alarm output ### Audio Output ### 1 alarm output ### Audio Output ### 1 alarm output ### Audio Output ### 1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10% ### Audio Output ### Supplement Light ### IP Distance ### Up to 200 m ### White Light Distance ### Up to 30 m ### Visual Alarm ### White Light ### Operating Conditions ### 30°C to 65°C (-22°F to 149°F), humidity lower than 90%RH ### Reset ### Operating Conditions ### 30°C to 65°C (-22°F to 149°F), humidity lower than 90%RH ### Reset ### Audio Output than 90%RH ### Audio Output than 90%RH ### Audio Output than 90%RH	Smart Record	ANR, Dual-VCA		
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Power Consumption and Current Max. 42 W, including max. 15 W for supplement light Operating Conditions -30°C to 65°C (-22°F to 149°F), humidity lower than 90%RH Reset yes	Power	24 VAC, Hi-PoE		
Reset yes	Power Consumption and Current	Max. 42 W, including max. 15 W for supplement light		
Reset yes	Operating Conditions	-30°C to 65°C (-22°F to 149°F), humidity lower than 90%RH		
Demist yes				
	Demist	yes		

Material	ADC12	
Dimensions	Ø 226.1 mm × 362.5 mm (Ø 8.9" × 14.3")	
Weight	approx. 4.8 kg (10.58 lb.)	
Approval		
Protection	IP66, IK10 (excluding glass window), 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	

Available Model

PNP322-IR-25X

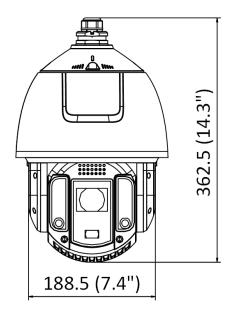
Typical Application

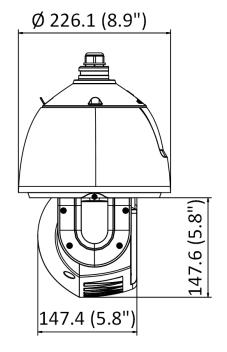
PerfectView products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

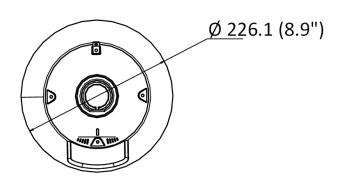
This model has NO SPECIFIC PROTECTION.

Level	Description		
Top-level protection	PerfectViewproducts at this level are equipped for use in areas where professional		
	anti-corrosionprotection is a must. Typical application scenarios include coastlines, docks,		
	chemical plants, andmore.		
Moderate protection	PerfectView products at this level are equipped for use in areas with moderate anti-corrosion		
	demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away		
	from coastlines, as well as areas affected by acid rain.		
No specific protection	PerfectView products at this level are equipped for use in areas where no specific		
	anti-corrosion protection is needed.		

Dimension







Unit: mm (inch)

Accessory

Optional

P-661ZJ Pendant Mount	P-602ZJ-Corner Corner mount	P-602ZJ-Pole Vertical pole mount	P-602ZJ Wall mount
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